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TRANSMITTAL FORM  (to be used for all correspondence after initial and the correspond	Application Number  Filing Date First Named Inventor Art Unit Examiner Name  Attorney Docket Number	10/573,600  March 24, 2006  James M. Wilson et al
Fee Transmittal Form  Fee Attached  Amendment/Reply  After Final  Affidavits/declaration(s)  Extension of Time Request  Express Abandonment Request  Information Disclosure Statement  Certified Copy of Priority Document(s)  Reply to Missing Parts/ Incomplete Application  Reply to Missing Parts under 37 CFR 1.52 or 1.53	Drawing(s)  Licensing-related Papers  Petition Petition to Convert to a Provisional Application Power of Attorney, Revocation Change of Correspondence Attorney Request for Refund CD, Number of CD(s) Landscape Table on CD  Remarks  Customer No. 00270  Express Mail No. EQ355928668US	After Allowance Communication to TC  Appeal Communication to Board of Appeals and Interferences  Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  Proprietary Information  Status Letter  Other Enclosure(s) (please Identify below):  19 pp. International Search Report  14-Documents
Firm Name HOWSON AND HOWSO Signature HOWSON AND HOWSO	TURE OF APPLICANT, ATTOR	RNEY, OR AGENT
Printed name Cathy A. Kodroff  Date June 23, 2006	00 R	Reg. No. 33,980
I hereby certify that this correspondence is be	eing facsimile transmitted to the USPTC velope addressed to: Commissioner for	ON/MAILING  O or deposited with the United States Postal Service with Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

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Typed or printed name

Date



## UPN-P3230USA

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No.

: 10/573,600

Confirmation No.:

**Applicant** 

: James M. Wilson et al

Filed

: March 24, 2006

TC/A.U.

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Examiner

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Customer No.

: 00270

Title

ADENO-ASSOCIATED VIRUS (AAV) CLADES,

SEQUENCES, VECTORS CONTAINING SAME, AND

**USES THEREFOR** 

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## INFORMATION DISCLOSURE STATEMENT

Sir:

Applicant submits to the Examiner the attached Form PTO/SB/08A/B document listing and this paper pursuant to 37 CFR § 1.56 and § 1.97-1.98. Form PTO/SB/08A/B is attached and copies of the documents are enclosed herewith. This Information Disclosure Statement is submitted less than three months from the filing date of this application and before the receipt of a first Office Action on the merits. Therefore, no fees are believed due.

The Director is hereby authorized to charge any deficiency in any fees due with the filing of this paper or credit any overpayment in any fees to our Deposit Account Number 08-3040.

## REMARKS

Listed below are previously filed, and co-pending, US Patent applications, U.S. and foreign published and issued applications. These applications and the present application are commonly owned:

- U.S. Patent Application No. 08/708,188 filed May 5, 1998, now Patent No. 5,866,552, issued on February 2, 1999
  U.S. RCE Patent Application No. 09/237,064, filed January 26, 1999, now pending
  U.S. RCE Patent Application No. 09/242,977, filed February 26, 1999, now pending
  U.S. RCE Patent Application No. 09/757,673, filed February 10, 2004, now pending
  (corresponding International Patent Application No. PCT/US97/15692, now published No. WO 98/09657, March 12, 1998)
- U.S. Patent Application No. 10/807,802, filed November 29, 2001, now Patent No. 6,759,237, issued on July 6, 2004
  U.S. Continuation Patent Application No. 10/696,900 filed
  October 30, 2003, now Published No. 2004-0057933-A1, March 25, 2004
  U.S. Divisional Patent Application No. 10/696,282, filed October 29, 2003, now Published No. 2004-0057932-A1, March 25, 2004
  U.S. Divisional Patent Application No. 10/696,261, filed October 29, 2003, now Published No. 2004-0057931-A1, March 25, 2004
  U.S. Patent Application No. 11/430,226 filed May 8, 2006, now pending (corresponding International Patent Application No. PCT/US99/25694, filed November 2, 1999, now Published No. WO 00/28061, May 18, 2000)
- 3) U.S. Patent Application No. 10/257,961, filed October 25, 2002, now Patent No. 7,056,502, issued on June 6, 2006 (corresponding International Patent Application No. PCT/US01/13000, filed April 23, 2001, now Published No. WO 01/83692, November 8, 2001

- 4) U.S. Patent Application No. 10/423,704 filed April 25, 2003, now published Patent No. 2003-0228282-A1, December 11, 2003 (corresponding International Patent Application No. PCT/US02/33630, filed November 12, 2002, now Published No. WO 03/052051, June 26, 2003)
- 5) U.S. Patent Application No. 10/496,799 filed June 8, 2004, now Published Patent No. 2005-0014262-A1, January 20, 2005 (corresponding International Patent Application No. PCT/US02/33631, filed November 12, 2002, now Published No. WO 03/052052 A2, June 26, 2003
- U.S. Patent Application No. 10/291,583 filed November 12, 2002, now Published Patent No. 2003-0138772-A1, July 24, 2003 (corresponding International Patent Application No. PCT/US02/33629, filed November 12, 2002, now Published No. WO 03/042397, May 22, 2003)
  Also corresponding European Application No. 02257826.4 filed November 12, 2002, now granted Patent No. 1310571, February 15, 2006)

Listed below are documents cited in the International Search Report dated May 18, 2005 in the corresponding International Patent Publication No. WO 05/033321, published April 14, 2005. A copy of the Report is enclosed, together with copies of the documents.

- 1) EP 1310571 –May 13, 2003
- 2) US 2003-138772, July 24, 2003
- 3) GAO ET AL, Proceedings of the National Academy of Sciences of USA, Vol. 99, No. 18, (September 3, 2002)
- 4) GRIMM ET AL, Current Gene Therapy, Vol. 3, No. 4, (August 2003)
- 5) RUTLEDGE ET AL, Journal of Virology, Vol. 72, (January 1998)
- 6) RABINOWITZ ET AL, Journal of Virology, Vol. 76, No. 2, (January 2002)
- 7) WO 03/052052 A-June 26, 2003
- 8) GUANGPING ET AL, Journal of Virology, Vol. 78, No. 12, (June 2004)

The Examiner is respectfully requested to consider the enclosed document identified in this paper and in the attached Form PTO/SB/08A/B during the course of examination of this application.

Respectfully submitted,

HOWSON AND HOWSON Attorneys for Applicant

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use as many sheets as necessary)

Complete if Known

Application Number 10/573,600

Filing Date March 24, 2006

First Named Inventor Wilson et al

Group Art Unit

Examiner Name

Sheet 1 of 3 Attorney Docket Number UPN-P3230USA

			U.S. PATENT DOCUM	ENTS	
Examiner	Cite	Document Number	Publication Date	Name of Patentee	Pages, Columns, Lines, Where
Initials*	No.1	Number-Kind Code <sup>2(if known)</sup>	MM-DD-YYYY	or Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
	Α	US-2003-0138772 A1	07-24-2003		
	В	US-2005-0014262 A1	01-20-2005		
	С	US-2004-0057933 A1	03-25-2004		
	D	US-2004-0057932 A1	03-25-2004		
	E	US-2004-0057931 A1	03-25-2004		
	F	US-7,056,502	06-06-2006		
	G	US-5,866,552	02-02-1999		
	Н	US-6,759,237	07-06-2004		

		FOREI	GN PATENT DOCUMENTS			
Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> - Number <sup>4</sup> -Kind Code <sup>5</sup> (ir known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	т6
	I	PCT WO 03/052052 A2	06-26-2003	The Trustees of the University of Pennsylvania		
	J	PCT WO 03/052051 A2	06-26-2003	The Trustees of the University of Pennsylvania		
	K	PCT WO 01/83692 A3	11-08-2001	The Trustees of the University of Pennsylvania		

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	Date
Signature	Considered
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<sup>\*</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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	STATEMENT BY APPLICANT (Use as many sheets as necessary)			First Named Inventor	Wilson et al
				Group Art Unit	
ŀ				Examiner Name	
Sheet	2	of	3	Attorney Docket Number	UPN-P3230USA

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U.S. PATENT DOCUMENTS					
Examiner	Cite	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	L	US-2003-0228282 A1	12-11-2003		

		FOREIG	GN PATENT DOCUMENTS			
Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> - Number <sup>4</sup> -Kind Code <sup>5</sup> (ir	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sub>6</sub>
	M	PCT WO 03/042397 A2	05-22-2003	The Trustees of the University of Pennsylvania		
	N	EP 1310571	02-15-2006	The Trustees of the University of Pennsylvania		
	О	PCT WO 98/09657 A2	03-12-1998	The Trustees of the University of Pennsylvania		
	P	PCT WO 00/28061 A3	05-18-2000	The Trustees of the University of Pennsylvania	·	

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Signature	Considered	
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<sup>\*</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

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				Group Art Unit		
(	(Use as man	y sheets a	s necessary)	Examiner Name		
Sheet	3	of	3	Attorney Docket Number	UPN-P3230USA	

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		NONPATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include the name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item, (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	Q	GAO ET AL, Adeno-Associated Viruses Undergo Substantial Evolution in Primates During Natural Infections, PNAS, Vol. 100, No. 10, pp. 6081-6086, (May 13, 2003)	
	R	GAO ET AL, Novel Adeno-Associated Viruses From Rhesus Monkeys as Vectors for Human Gene Therapy, PNAS, Vol. 99, No. 18, pp. 11854-11859, (September 3, 2002)	
	S	GRIMM ET AL, From Virus Evolution to Vector Revolution: Use of Naturally Occurring Serotypes of Adeno-Associated Virus (AAV) as Novel Vectors for Human Gene Therapy, Current Gene Therapy, Vol. 3, No. 4, pp. 281-304, (August 2003)	
	Т	RUTLEDGE ET AL, Infectious Clones and Vectors Derived from Adeno-Associated Virus (AAV) Serotypes Other Than AAV Type 2, Journal of Virology, Vol. 72, pp. 309-319, (January 1998)	
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	V	GAO ET AL, Clades of Adeno-Associated Viruses Are Widely Disseminated in Human Tissues, Journal of Virology, Vol. 78, No. 12, pp. 6381-6388, (June 2004)	
	W	GAO ET AL, Erythropoietin Gene Therapy Leads to Autoimmune Anemia in Macaques, Blood, Vol. 103, No. 9, (May 1, 2004)	

Examiner	Date
Signature	Considered

<sup>\*</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

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